With the continued rise of cloud platforms and the meteoric rise of container services like Docker, it’s no surprise that IT professionals are increasingly expected to understand and use virtualization solutions. Develop an understanding of the tools and techniques necessary to get the most out of virtualization in your environment.

Areas of focus
• Deploying in a virtual environment
• Managing and monitoring virtual resources
• Planning virtualization for scalability

Curriculum

VIDEOS FROM COURSE
VMware vSphere 6 (VCP6-DCV) 13 hours

- Welcome to vSphere 6 3 min
- What is a Hypervisor? 9 min
- What is vSphere? 14 min
- Lab Design and Preparation 16 min
- ESXi as a Lab VM 16 min
- ESXi Initial Configuration 12 min
- AD, DNS & other Services 13 min
- vSphere Windows Client 14 min
- vCenter Options 9 min
- Deploying the vCSA 16 min
- vCSA Hacked to run on Workstation 16 min
- Add ESXi Hosts to vCSA 16 min
- Datastores 14 min
- Deploying a VM in vSphere 17 min
- Install VMware Tools 12 min
- Using VM Templates 10 min
- OVA and OVF 16 min
- Snapshots 14 min
- Introduction to vSphere Networking 12 min
- Create a Virtual Switch 13 min
- Freesco Router VM 16 min
- iSCSI Concepts 10 min
- iSCSI Target using Windows Server 6 min
- Add an iSCSI Datastore 14 min
- iSCSI Multipath 14 min
- Create NFS Datastores 13 min

Prerequisite Plans
FUNDAMENTAL LEVEL
- Working with Developers & DevOps
- Virtualization Concepts
- Cloud Computing Fundamentals

Current Plan
ASSOCIATE LEVEL
- Virtualization Platforms & Implementation

Possible Next Plans
EXPERT LEVEL
- Advanced Virtualization Skills
### VMware vSphere 6 (VCP6-DCV) (cont.)

- vMotion: 16 min
- Using DRS: 15 min
- Distributed Switch Concepts: 4 min
- Implement a Distributed Switch: 18 min
- Networking Policy Concepts (Standard vSwitch): 17 min
- Using Standard vSwitch Policies: 18 min
- Migrate VMK port to VDS: 14 min
- Distributed Switch Features: 11 min
- Increasing a Datastore: 6 min
- Using vApps: 16 min
- CPU and Memory Control Concepts: 16 min
- Implement Reservations and Limits: 16 min
- Resource Pool Concepts: 15 min
- Using Resource Pools: 14 min
- Using Storage DRS: 15 min
- High Availability (HA): 14 min
- VM Fault Tolerance (FT): 13 min
- Storage Policy Concepts: 11 min
- Applying VM Storage Policies: 9 min
- Virtual SAN (VSAN): 17 min
- Add LDAP to SSO: 10 min
- vSphere Authorization: 12 min
- vSphere Alarms and Alerts: 11 min
- Affinity Concepts: 5 min
- Using Affinity Rules: 14 min
- Customization Specifications: 11 min
- Content Libraries: 9 min
- Additional Products and Features: 16 min
- Additional Fishing Tools: 9 min
- ESXi Host Security: 21 min
- Managing Conflicts: 17 min
- The Parka Principle: 5 min

### Microsoft Azure 70-532 (cont.)

- Azure Virtual Machines: Networks and Cloud Services: 12 min
- Azure Virtual Machines: Endpoints, ACLs, and Load Balancing: 19 min
- Azure Virtual Machines: Scaling and Availability: 13 min
- Azure Virtual Machines: Storage Planning: 19 min
- Azure Virtual Machines: Diagnostic Measurements: 10 min

### Google Compute Engine: Qualified Developer (Videos 11-20)

- Startup Scripts and Metadata: 14 min
- Demo: Startup Scripts and Metadata: 16 min
- Networking: 19 min
- Demo: Networking: 11 min
- Advanced Networking: 13 min
- Demo: Advanced Networking - Configuring a NAT Gateway: 13 min
- Demo: Advanced Networking - Configuring Protocol Forwarding: 11 min
- Load Balancing: 15 min
- Demo: Load Balancing - Network Load Balancing: 12 min
- Demo: Load Balancing - HTTP Load Balancing: 17 min

### Microsoft Azure 70-532 (Videos 12-20)

- Introduction to Azure Virtual Machines: 10 min
- Azure Virtual Machines: Creating New VMs: 10 min
- Azure Virtual Machines: VHDs, Disks, and Images: 16 min
- Azure Virtual Machines: Custom Extensions: 11 min